

Wesley E. Seale Dam and Lake Corpus Christi

OWNER

Lower Nueces River Water Supply District.

ENGINEER (Design)

Ambursen Engineering Company (dam and original gates).
Forrest and Cotton, Inc. (modification of gates 1966).

LOCATION

On the Nueces River in San Patricio and Jim Wells Counties, 4 miles southwest of Mathis. This lake submerged the old Mathis Dam.

DRAINAGE AREA

16,656 square miles.

DAM

Type	Earthfill and concrete
Length (including gates)	5,980 ft
Height	75 ft
Top width	Varies 15 to 51 ft

SPILLWAY (north or emergency)

Type	Concrete section
Control (screw type hoists, and portable engines)	33 gates, each 37.5 by 8.75 ft
Spillway crest elevation	88.0 ft above msl
Top of gates elevation	94.3 ft above msl

SPILLWAY (south or service)

Type	Concrete section
Control (screw type hoists, and electric motors)	27 gates, each 37.5 by 8.75 ft
Spillway crest elevation	88.0 ft above msl
Top of gates elevation	93.8 ft above msl

OUTLET WORKS

Type	3 openings, each 2.5 by 4 ft
Control	48-inch cylinder valve
Invert elevation	55.5 ft above msl
Water flows in river channel to treating plant.	

STATE AUTHORIZATION

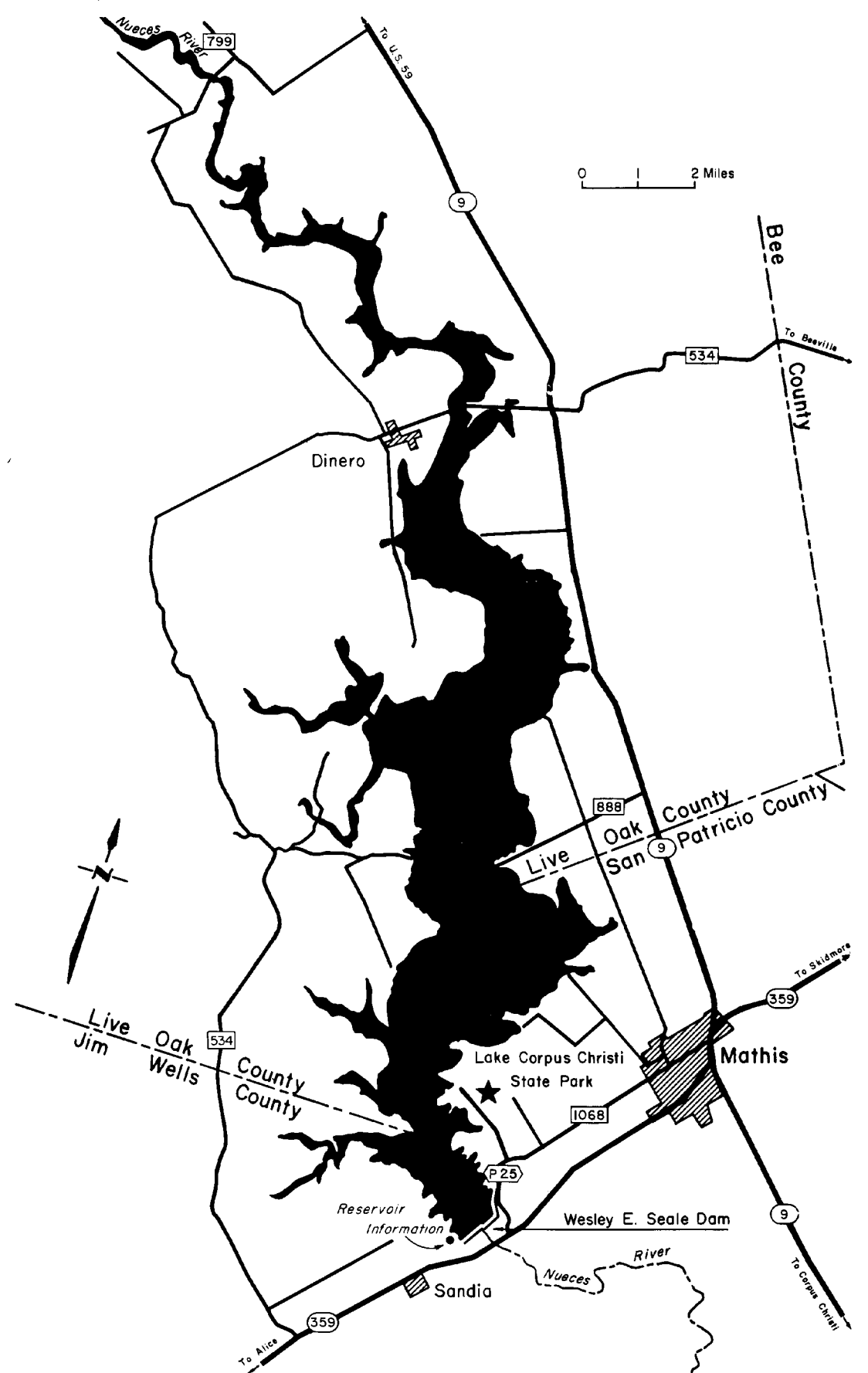
Permit No. 1656 (Application No. 1776) January 20, 1953, authorized a dam to create a reservoir of 300 000 acre-feet capacity
The city of Corpus Christi by various permits has water use rights summarized by Permit No. 2026 (Application No. 2219)
October 3, 1962.

RESERVOIR DATA (Based on survey made October 1, 1972)

FEATURE	ELEVATION (FEET ABOVE MSL)	CAPACITY (ACRE-FEET)	AREA (ACRES)
Top of dam	106.0	—	—
Top of north spillway gates	94.3	278,190	—
Top of south spillway gates	93.8	272,352	19,336
Spillway crest	88.0	170,182	15,500
Invert low flow outlet	55.5	841	—
Usable storage	—	271,511	—

GENERAL

Construction started	November 19, 1955
Dam completed	April 26, 1958
Impoundment of water began	April 26, 1958
Modification of gates completed	September 4, 1966
General contractor for the dam	H. B. Zachry Co.
Estimated cost of dam	\$9,779,200
Total project cost	\$21,936,000



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Information courtesy of the Lower Nueces River Water Supply District